

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	2	("3718195").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/01 11:24
L7	2	("3728195").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/01 11:24
L9	1	("6003424").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/01 12:16
S1	1	("20050124250").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/30 11:20
S2	1	("5158824").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 10:02
S3	3	("5158824").URPN.	USPAT	OR	ON	2006/11/15 16:58
S4	39	"4258098"	USPAT	OR	ON	2006/11/15 08:20
S5	1	("4258098").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 08:20
S6	42	(nonwoven or non-woven or (non adj woven)) and (random\$ near4 fiber) and (direction\$5 with orient\$5) and (wetmat or wet-mat or (wet adj mat) or wet-laid or (wet adj laid)) and glass and synthetic and binder	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/01 12:16
S7	11	S6 and gill	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 10:08
S8	31	S6 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 10:08
S9	35	("4258098").URPN.	USPAT	OR	ON	2006/11/15 17:02
S10	50	S8 or S9 and (uniform)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 13:29
S11	32	S8 or S9 and (uniform with strength)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 13:33
S12	18	S10 not S11	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 13:33
S13	1	("3969561").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 13:53

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S14	21	("5462642").URPN.	USPAT	OR	ON	2006/11/15 13:59
S15	21	S14 and uniform	USPAT	OR	ON	2006/11/15 13:59
S16	12	("1616222"   "3103461"   "3322617"   "3350260"   "3969561"   "4070235"   "5098519"   "5158824").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 14:10
S17	32	(nonwoven or non-woven or (non adj woven)) and (glass near2 mat) and (laminat\$ with strength) and (wetmat or wet-mat or (wet adj mat) or wet-laid or (wet adj laid))	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 15:28
S18	5	((("4129674") or ("4112174") or ("4681802") or ("4810576") or ("5484653"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 15:30
S19	2	S17 and ((unidirectional or uni-directional or parallel) near3 fiber)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 15:31
S20	1	("3969561").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 16:58
S21	4	S9 and laminat\$	USPAT	OR	ON	2006/11/15 17:21
S22	2	((("5129131") or ("5540986"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 17:48
S23	1	("6268047").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 17:48
S24	477	((layer or surface) and shingle).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 08:15
S27	14	S24 and (pattern or uni-direction or unidirection or (uni adj direction)) same (fiber or fibr\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 08:17
S28	6	("4250221").URPN.	USPAT	OR	ON	2006/11/16 09:14
S29	4267	(nonwoven or non-woven) and binder and (glass or natural or celulosic) and (unidirectional or uni-directional or perpendicular or crossing)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 18:14
S30	1612	S29 and (glass near4 fiber)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 18:14
S31	939	S30 and (acrylic or latex)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 18:17
S32	57	S31 and roofing	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 18:17

## EAST Search History

S33	1	("6998359").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/30 11:21
S34	2	((("5474838") or ("5569430")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/30 13:05
S35	5	("4780350").PN. OR ("5569430"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 13:07
S36	15	("4450196"   "4491617"   "4539254"   "4615934"   "4762744"   "4780350"   "5108831"   "5151146"   "5194320"). PN. OR ("5474838").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 13:23
S37	10	("4278720"   "4539284"   "4762744"   "4789578").PN. OR ("5108831"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 13:30
S38	33	("2566960"   "2577214"   "2609319"   "2639759"   "2704734"   "2705686"   "2765248"   "2790741"   "3044146"   "3952124"   "4135029"   "4139591"). PN. OR ("4278720").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 14:13
S39	8	("2704734").URPN.	USPAT	OR	ON	2007/04/30 18:26
S40	1	("20020121720").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/30 15:15

## EAST Search History

S41	78	("20030003265"   "20030026943"   "3761345"   "3895896"   "3969171"   "4058581"   "4265972"   "4278720"   "4334563"   "4336301"   "4421827"   "4477533"   "4479984"   "4484459"   "4515737"   "4550045"   "4556440"   "4564540"   "4605254"   "4677831"   "4752513"   "4877470"   "4882114"   "4883552"   "4892764"   "4924631"   "4935279"   "4983453"   "4984402"   "5047109"   "5055242"   "5066349"   "5079054"   "5175646"   "5238633"   "5286553"   "5305601"   "5308424"   "5310600"   "5316834"   "5319003"   "5322582"   "5324377"   "5345974"   "5534302"   "5585155"   "5597629"   "5605757"   "5612424"   "5702816"   "5713169"   "5727672"   "5763042"   "5783013"   "5795424"   "5851468"   "5860508"   "5876553"   "5883021"   "5908689"   "5910458"   "5931284"   "6007656"   "6013585"   "6037056"   "6048379"   "6051307"   "6080482"   "6099947"   "6106944"   "6159589"   "6179945"   "6268047"   "6270851"   "6287209"   "6495091"   "RE31960").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 15:24
S42	29	("3321348"   "3573151"   "3607565"   "3680332"   "3756893"   "3878591"   "4380913"   "4395888").PN. OR ("4484459").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 15:35
S43	13	("3321348").URPN.	USPAT	OR	ON	2007/04/30 15:50
S44	12	S41 and wet and laid	USPAT	OR	ON	2007/04/30 16:41
S45	2	fabric same bias same glass same fiber same (nonwoven or non-woven)	USPAT	OR	ON	2007/04/30 16:44
S46	78	fabric same (unidirectional or uni-directional or perpendicular) same glass same fiber same (nonwoven or non-woven)	USPAT	OR	ON	2007/04/30 16:49
S47	3	((("6296921") or ("6524980") or ("6235657")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/30 17:43
S48	1	("4211807").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/30 17:43
S49	37	("1269140"   "2797728"   "2902395"   "3047444"   "3709764"   "3762984"   "3855036"   "3917889").PN. OR ("4211807").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 17:43
S50	5753	strand same fiber same length	USPAT	OR	ON	2007/04/30 18:26

## EAST Search History

S51	330	S50 and (reinforcement same mat)	USPAT	OR	ON	2007/04/30 18:26
S52	34	("2477555"   "2859109"   "3684645"). PN. OR ("4112174").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 18:36
S53	2	("2477555").URPN.	USPAT	OR	ON	2007/04/30 18:44
S54	24	("2906660"   "3012929"   "3021255"   "3103461"   "3766003").PN. OR ("4118272").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 19:55
S55	1	("5005242").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/30 19:55
S56	116	vane.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 19:55
S57	38	("3506530"   "3713931"   "3756893"   "3919028"   "4042655"   "4478771"   "4595438"   "4752513"   "4911973"). PN. OR ("5055242").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 19:59